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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 17.6395 Seconds
(without alignments)
680.911: Million cell updates/sec

Title: US-09-622-613b-26

Perfect score: 606
Sequence: 1 MSNMAFPQOKHIINTPLICN.....ICVCKENQYVHFAGIGRCP 111

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubppaa/US08_NEM_PUB pep:*
2: /cgn2_6/ptodata/1/pubppaa/PTCT_NEM_PUB pep:*
3: /cgn2_6/ptodata/1/pubppaa/US06_NEM_PUB pep:*
4: /cgn2_6/ptodata/1/pubppaa/US06_PUBCOMB pep:*
5: /cgn2_6/ptodata/1/pubppaa/US07_NEM_PUB pep:*
6: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB pep:*
7: /cgn2_6/ptodata/1/pubppaa/PTCTUS_PUBCOMB pep:*
8: /cgn2_6/ptodata/1/pubppaa/US08_PUBCOMB pep:*
9: /cgn2_6/ptodata/1/pubppaa/US09_NEM_PUB pep:*
10: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB pep:*
11: /cgn2_6/ptodata/1/pubppaa/US10_NEM_PUB pep:*
12: /cgn2_6/ptodata/1/pubppaa/US10_PUBCOMB pep:*
13: /cgn2_6/ptodata/1/pubppaa/US60_NEM_PUB pep:*
14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	606	100.0	111	9	US-09-948-391A-26
2	601	99.2	110	9	US-09-948-391A-24
3	597	98.5	110	9	US-09-948-391A-15
4	596	98.3	111	9	US-09-948-391A-17
5	596	98.3	111	9	US-09-948-391A-21
6	596	98.3	111	9	US-09-948-391A-22
7	585	96.5	110	9	US-09-948-391A-19
8	285.5	46.7	105	9	US-09-948-391A-13
9	281.5	46.5	105	9	US-09-948-391A-6
10	280.5	46.3	104	9	US-09-948-391A-11
11	277.5	45.8	105	9	US-10-153-882-2
12	276.5	45.6	127	9	US-09-948-391A-28
13	275.5	45.0	104	9	US-09-948-391A-2
14	272.5	45.0	104	9	US-09-948-119-1
15	270.5	44.6	104	9	US-09-948-391A-4
16	266.5	44.0	105	9	US-09-948-391A-8
17	266.5	44.0	111	9	US-09-948-391A-9
18	206	34.0	83	9	US-09-948-119-3
19	158	26.1	169	12	US-10-016-447-2

20	117	19.3	147	10	US-09-731-872-254	Sequence 254, App
21	114.5	18.9	124	9	US-09-981-286A-8	Sequence 8, Appl
22	114	18.8	124	12	US-10-016-447-5	Sequence 5, Appl
23	113	18.6	131	12	US-10-016-447-6	Sequence 6, Appl
24	113	18.6	147	10	US-09-286-240-6	Sequence 6, Appl
25	113	18.6	147	10	US-09-863-777-2	Sequence 2, Appl
26	92	15.2	161	9	US-10-001-876-197	Sequence 197, App
27	79	13.0	77	10	US-09-925-299-836	Sequence 836, App
28	79	13.0	77	10	US-09-925-299-836	Sequence 836, App
29	79	13.0	156	9	US-09-796-753-118	Sequence 102, App
30	79	13.0	156	9	US-10-245-107-60	Sequence 118, App
31	79	13.0	156	9	US-10-245-107-60	Sequence 60, Appl
32	79	13.0	156	9	US-10-245-107-60	Sequence 60, Appl
33	79	13.0	156	9	US-10-245-143-60	Sequence 60, Appl
34	79	13.0	156	9	US-10-245-771-60	Sequence 60, Appl
35	79	13.0	156	9	US-10-245-851-60	Sequence 60, Appl
36	79	13.0	156	9	US-10-245-883-60	Sequence 60, Appl
37	79	13.0	156	9	US-10-237-535-60	Sequence 60, Appl
38	79	13.0	156	9	US-10-238-183-60	Sequence 60, Appl
39	79	13.0	156	9	US-10-238-283-60	Sequence 60, Appl
40	79	13.0	156	9	US-10-238-370-60	Sequence 60, Appl
41	79	13.0	156	9	US-10-245-055-60	Sequence 60, Appl
42	79	13.0	156	9	US-10-245-147-60	Sequence 60, Appl
43	79	13.0	156	9	US-10-245-730-60	Sequence 60, Appl
44	79	13.0	156	9	US-10-245-739-60	Sequence 60, Appl
45	79	13.0	156	9	US-10-246-210-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-09-948-391A-26
Sequence 26, Application US/09948391A
Publication No. US2003027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor Nucleic
Acid
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948-391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 26
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
OTHER INFORMATION: and Gluzser substitution (Met(-1) RacOR1 Q15)
US-09-948-391A-26
Query Match 100.0%: Score 606; DB 9; Length 111;
Best Local Similarity 100.0%: Pred. No. 3.3e-60;
Matches 111: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 MSNMAFPQOKHIINTPLICNTIMDNNTIYVGGCKRVNTFTISSATTYKACCTGIVMNV 60
DB 1 MSNMAFPQOKHIINTPLICNTIMDNNTIYVGGCKRVNTFTISSATTYKACCTGIVMNV 60
OY 61 LSTRFQNLCTRTSTPRPCPVSSRTETNYICVCKENQYVHFAGIGRCP 111
|||||

Db 61 LSTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111

RESULT 2
US-09-948-391A-24
Sequence 24, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 24
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Rana
OTHER INFORMATION: catesbeiana ribonuclease with Glutiser substitution
US-09-948-391A-24

Query Match
Best Local Similarity 99.2%; Score 601; DB 9; Length 110;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 SMNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 61
1 SMNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 60

QY 2 SMNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 61
1 SMNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 60

Db 62 STRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111
61 STRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 110

QY 62 STRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111
61 STRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 110

RESULT 3
US-09-948-391A-15
Sequence 15, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 15
LENGTH: 110
TYPE: PRT

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Rana
OTHER INFORMATION: catesbeiana oocyte ribonuclease (RacOR1) synthetic
US-09-948-391A-15

Query Match
Best Local Similarity 98.5%; Score 597; DB 9; Length 110;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 MNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 62
2 MNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 61

Db 63 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111
62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 110

RESULT 4
US-09-948-391A-17
Sequence 17, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 17
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
US-09-948-391A-17

Query Match
Best Local Similarity 98.3%; Score 596; DB 9; Length 111;
Matches 109; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MSNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 60
1 MNATFOQKHIIINTPICTIMDNNTIYVGGCKRVNTFISSATVKAICTGVINNV 60

Db 61 LSTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111
61 LSTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111

QY 61 LSTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111
61 LSTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQYVPHFAGIGRCP 111

RESULT 5
US-09-948-391A-21
Sequence 21, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America

APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948, 391A
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbelana ribonuclease with Met at position 1,
OTHER INFORMATION: Met23leu and Met58leu substitutions (recombinant
OTHER INFORMATION: Met(-1) RacOR1 Met22leu Met57leu)
US-09-948-391A-21

Query Match 98.3%; Score 596; DB 9; Length 111;
Best Local Similarity 97.3%; Pred. No. 4,3e-59;
Matches 108; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 MSNMAFPOOKHIIINPIICNTIMDNNIYIVGGCKRVNFTFISSATVKAICTGVINNV 60
DB 1 MOWMAFPOOKHIIINPIICNTIMDNNIYIVGGCKRVNFTFISSATVKAICTGVINNV 60
OY 61 LSTRFQNLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFAIGRCP 111
DB 61 LSTRFQNLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFAIGRCP 111

RESULT 6

US-09-948-391A-22
Sequence 22, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948, 391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 117
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbelana ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met23leu and Met58leu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met22leu Met57leu-(His)6)
US-09-948-391A-22

Query Match 98.3%; Score 596; DB 9; Length 117;
Best Local Similarity 97.3%; Pred. No. 4,6e-59;

Matches 108; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 MSNMAFPOOKHIIINPIICNTIMDNNIYIVGGCKRVNFTFISSATVKAICTGVINNV 60
DB 7 MOWMAFPOOKHIIINPIICNTIMDNNIYIVGGCKRVNFTFISSATVKAICTGVINNV 66
OY 61 LSTRFQNLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFAIGRCP 111
DB 67 LSTRFQNLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFAIGRCP 117

RESULT 7

US-09-948-391A-19
Sequence 19, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948, 391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 19
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbelana ribonuclease with Met22leu and
OTHER INFORMATION: Met57leu substitutions (recombinant RacOR1
OTHER INFORMATION: Met22leu Met57leu)
US-09-948-391A-19

Query Match 96.5%; Score 585; DB 9; Length 110;
Best Local Similarity 97.2%; Pred. No. 7,1e-58;
Matches 106; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 3 MNATFPOOKHIIINPIICNTIMDNNIYIVGGCKRVNFTFISSATVKAICTGVINNV 62
DB 2 MNATFPOOKHIIINPIICNTIMDNNIYIVGGCKRVNFTFISSATVKAICTGVINNV 61
OY 63 TTRFQNLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFAIGRCP 111
DB 62 TTRFQNLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFAIGRCP 110

RESULT 8

US-09-948-391A-13
Sequence 13, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948, 391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27

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? PRIOR APPLICATION NUMBER: WO PCT/US99/06641
? PRIOR FILING DATE: 1999-03-26
? PRIOR APPLICATION NUMBER: US 09/622,613
? PRIOR FILING DATE: 2000-08-17
? NUMBER OF SEQ ID NOS: 43
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 13
? LENGTH: 105
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
? OTHER INFORMATION: ribonuclease with Met at position 1 and Glu2Ser
? OTHER INFORMATION: substitution (recombinant Met(-1) RapLRI Q1S)
US-09-948-391A-13

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Query Match	47.1%	Score 285.5	DB 9	Length 105;
Best Local Similarity	50.0%	Pred. No. 1.7e-24;		
Matches	56;	Conservative	15;	Mismatches 32;
				Indels 9;
				Gaps 4;

DQ
1 MSNNAFQOKHILNT-PILCNIIMDNNTIYVGCGCKRVNFIISSATTVYAICTGYL-NM 58
||| ||| ||| : | : | : | : | : | : | :
DQ
1 MSDWTFQKHLTNRDVDCNNIMSTNFL--HCKDKNTFIYSRPEPVAKICKGIASK 56

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QY      59 NVLSTRFQLNCTRTSITPRPCPYSSRRETNVICVCENQYPVHAGIGRC 110
        |||::|||:|:|||||:|:||||| |||||:|:|
Db      57 NVLTTFSEFYLSDC--NVTSRPCKYKLKSKSTNTFCVCVCENQAPVHFVGVGHC 105
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RESULT 9
US-09-948-391A-6
; Sequence 6, Application US/09948391A
; Publication No. US2003002721A1

APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: The United States of America
 APPLICANT: as represented by The Secretary of the
 APPLICANT: Department of Health and Human Services
 TITLE OF INVENTION: Recombinant Anti-Tumor RNase
 FILE REFERENCE: 015280-34311005
 CURRENT APPLICATION NUMBER: US/09/948,391A
 CURRENT FILING DATE: 2002-05-10
 PRIOR APPLICATION NUMBER: US 60/079,751
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: WO PCT/US99/06641
 PRIOR FILING DATE: 1999-03-26
 PRIOR APPLICATION NUMBER: US 09/622,613
 PRIOR FILING DATE: 2000-08-17
 NUMBER OF SEQ ID NOS: 43
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 6
 LENGTH: 105
 TYPE: PRP
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
 OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant)
 OTHER INFORMATION: Met(-1) (RapRL1)
 OS-09-948-391A-6

Query Match	46.5%	Score 281.5	DB 9	Length 105
Best Local Similarity	49.1%	Pred. No. 4.6e-24		
Matches 55	Conservative 15	Mismatches 33	Indels 9	Gaps 4

Dy 1 MSNNATFQCKHIINT-PIICNTIMDNNIYIVGCGCKRVNTEFISSATTVAICTGYI-NM 58
| : ||||| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 1 MQDWLTFQCKHILTNTRDVDCNNIMSTNLF----HCKDKMTFTYSRPEPVKAICKGIISK 56

QY 59 NVLSTRFOLNCTRTSTIPRCPYSSRTETNYICKACENQYPVHFAGIGRC 110
|||:| | | :| | | :| | | | | | | | |
Db 57 NVLTSEFYLSDC--NVTSRPKYKLLKSTNFTFCYCENQAPVHFVGVC 105

RESULT 10
US-09-948-391A-11

Publication No. US20030027311A1
GENERAL INFORMATION:

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; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America

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; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
;
;
;

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; CURRENT APPLICATION NUMBER: US/09/948,391A
; CURRENT FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 00/070,751

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; PRIOR FILING DATE: 1998-03-27
 ; PRIOR APPLICATION NUMBER: WO PCT/US99/066411
 ; PRIOR FILING DATE: 1999-03-26

;; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43

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; SOFTWARE: Patentlin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 104

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
; OTHER INFORMATION: ribonuclease with GlnSer substitution
; OTHER INFORMATION: (recombinant RAPRL1 Q1S)
US-09-948-391A-11

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Query Match	46.3%	Score 280.5	DB 9	Length 104
Best Local Similarity	49.5%	Pred No. 5.9e-24		
Matches 55, Conservative	15	Mismatches 32	Indels 9	Gaps 4

Dy 2 SNAATFQOKHLINT--PIICNTIMDNNIYIVGGCKRVNFTIISSTATTVAKICTGY-NNM 59
| | | | : : : : | | | | | : : |
Db 1 SDWLTFQKKHLTNTRDVDCNNIMSTNLF----HCKDKNFITYSRPEPKAICKGIASKN 56

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QY      60 VLSITRFQLNTCTRTSITPRPCPSYSSTETNYICVKGCEMÖYPVHFAIGRC   110
        ||::||::|::||||::|||:|||::|||::|||
Db     57 VLTTSEPYLSDC---NVTSRPCKKLLKSTNFECVTGCENQAPVHFVGVC    104
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RESULT 11
US-10-153-882-2

; Publication NO. US20030099629A1
; GENERAL INFORMATION:

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; APPLICANT:  HANSEN, Hans
; APPLICANT:  LEUNG, Shui-on

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;; TITLE OF INVENTION: FUSION PROTEINS OF RECOMBINANT ONCONASE
FILE REFERENCE: 018733/0913
CURRENT AND PAST ORIGIN NUMBERS: 00-47-01153-000

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; SOFTWARE: PatentIn Ver. 2.0
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ORGANISM: *Rana pipiens*
US-10-153-882-2

Query Match	45.88;	Score 277.5;	DB 9;	Length 105;
Best Local Similarity	49.18;	Pred. No. 1.3e-23;		

